



LEGEND

—

PROPOSED LIMIT OF PERMANENT PERMEABLE COVER

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PROPOSED LIMIT OF LOW PERMEABILITY COVER

—

PROPOSED CAP SYSTEM UNDERDRAIN

—

PROPOSED GENERAL FILL SURFACE GRADE OR SUBGRADE

—

EXISTING FENCE

—

EXISTING GAS PIPELINE

—

EXISTING OVERHEAD ELECTRIC

—

EXISTING GROUNDWATER MONITORING WELL

—

PROPOSED PIEZOMETERS

—

PROPOSED GROUNDWATER MONITORING WELL

—

PROPOSED PUMPING WELL

—

5'F

—

5'F

—

PROPOSED SILT FENCE

—

PROPOSED SUPER SILT FENCE

—

STONE SURFACED ACCESS ROAD

—

VEGETATION

1. PROPOSED CONTOURS SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE GENERAL SOIL FILL LAYER (UNLESS INDICATED OTHERWISE). THE TOP OF THE GENERAL SOIL FILL LAYER REPRESENTS THE PROPOSED SUBGRADE FOR INSTALLING THE LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER GEOSYNTHETIC LAYERS. THE GENERAL SOIL FILL LAYER IN LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER AREAS SHALL BE BROUGHT TO GRADE BY CUTTING AND FILLING AS SHOWN. FILL REQUIRED TO OBTAIN THESE ELEVATIONS WILL BE OBTAINED FROM EXCAVATIONS MADE FOR THE SEDIMENT BASIN, RIVERBANK ARMORING, STORM WATER PIPING AND DROP INLETS, DRAINAGE SWALES AND CHANNELS, AND OTHER EXCAVATIONS REQUIRED ON THE SITE. THE CONTRACTOR SHALL COMPLETE EXCAVATIONS INDICATED ON THE DRAWINGS AND EXCAVATED MATERIALS FROM THE SITE SHALL BE PLACED WITHIN THE GENERAL SOIL FILL LAYER WITHIN THE PERMANENT PERMEABLE COVER AREAS. IF INSUFFICIENT VOLUME EXISTS TO ACCOMMODATE EXCAVATED MATERIALS FROM THE NITRO PROPERTY WITHIN THE LOW PERMEABILITY CAP AREAS, THEN EXCAVATED MATERIALS FROM THE NITRO PROPERTY MAY BE PLACED WITHIN THE GENERAL SOIL FILL LAYER WITHIN THE LOW PERMEABILITY COVER AREA. AFTER EXCAVATION AND FILL ARE COMPLETED IN THE LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER AREAS, THE CONTRACTOR SHALL COMPLETE WORK IN THE AREAS TO RECEIVE THE PERMANENT PERMEABLE COVER. IN AREAS REQUIRING EXCAVATION, EXCAVATION SHALL BE COMPLETED PRIOR TO PLACING THE GEOTEXTILE, SEPARATION LAYER ON THE PREPARED SUBGRADE. WHERE FILL IS REQUIRED (GENERAL SOIL FILL), THE GEOTEXTILE SEPARATION LAYER SHALL BE PLACED ON THE PREPARED EXISTING GROUND SURFACE PRIOR TO PLACING CLEAN SOIL FROM THE OFF-SITE SOIL BORROW SOURCE.

2. EROSION AND SEDIMENT CONTROL MEASURES INCLUDING SILT FENCE, SUPER SILT FENCE, STABILIZED CONSTRUCTION ENTRANCES, AND SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO COMMENCING EARTHWORK.

3. REFER TO THE TECHNICAL SPECIFICATIONS FOR THE SUGGESTED CONSTRUCTION SEQUENCE AND FOR ADDITIONAL REQUIREMENTS FOR THE CAPS AND COVERS INSTALLATION WORK.

4. EXISTING FENCES ALONG THE PERIMETER OF THE NITRO PROPERTY (SOUTH, EAST, AND NORTH LINES) SHALL REMAIN IN PLACE DURING CAPS AND COVERS CONSTRUCTION ACTIVITIES. THE EXISTING FENCE ALONG THE TOP OF THE RIVERBANK IN THE FORMER MANUFACTURING AREA SHALL BE REMOVED AND DISPOSED ON-SITE UNDER THE LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER.

5. REFER TO RIVERBANK CROSS SECTIONS FOR REQUIRED EXCAVATION AND DIMENSIONS OF RIVERBANK ARMORING RIPRAP AND GEOTEXTILE. THIS PLAN IS NOT INTENDED TO SHOW RIVERBANK GRADING AND ARMORING WORK.

Revision

No.	Date	By	Check
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WTA-DESIGN

CAD File No.

Drawn

Checked

Approved

1"=50'

Scale:

APRIL 2012

Date:

01-0081-7000

Project No.

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ST. LOUIS, MISSOURI

Client

GENERAL FILL SURFACE AND SITE PLAN

RCRA INTERIM MEASURES

CAPS AND COVERS CONTRACT

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Drawing No.

ISSUED FOR BIDDING 5-2-12